

101. (New) The immunogenic peptide of claim 100, wherein the peptide consists essentially of amino acids 56-62 and 64-70 of SEQ ID NO: 39 and amino acid 63 of SEQ ID NO: 39 is substituted with a valine. *SEQ 4*

102. (New) The immunogenic peptide of claim 100, wherein the peptide consists essentially of amino acids 56-64 and 66-70 of SEQ ID NO: 39 and amino acid 65 of SEQ ID NO: 39 is substituted with a valine. *SEQ 3*

103. (New) The immunogenic peptide of claim 100, wherein the peptide consists essentially of amino acids 448-450 and 452-462 of SEQ ID NO: 39 and amino acid 451 of SEQ ID NO: 39 is substituted with a phenylalanine. *SEQ 10*

104. (New) The immunogenic peptide of claim 100, wherein the peptide consists essentially of amino acids 448-455 and 457-462 of SEQ ID NO: 39 and amino acid 456 of SEQ ID NO: 39 is substituted with a valine. *SEQ 11*

105. (New) The immunogenic peptide of claim 100, wherein the peptide consists essentially of 450-455 and 457-462 of SEQ ID NO: 39 and amino acid 456 is substituted with a valine. *SEQ 12*

106. (New) The immunogenic peptide of claim 100, wherein the peptide is a peptide selected from the group consisting of:

(A) a peptide consisting essentially of amino acids 56, 57, and 59-70 of SEQ ID NO: 39 and amino acid 58 of SEQ ID NO: 39 is substituted with a phenylalanine or a valine; and *SEQ 18* *SEQ 19*

(B) a peptide consisting essentially of amino acids 448 and 450-462 of SEQ ID NO: 39 and amino acid 449 of SEQ ID NO: 39 is substituted with a phenylalanine or a glutamine; *SEQ 7* *SEQ 9*

107. (New) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 56-70 of SEQ ID NO: 39. *SEQ 1*

108. (New) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 448-462 of SEQ ID NO: 39. *SEQ 6*

109. (New) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 57-70 of SEQ ID NO: 39.

110. The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 449-462 of SEQ ID NO: 39.

111. (New) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 450-462 of SEQ ID NO: 39.

112. (New) The immunogenic peptide of claim 100, wherein the MHC Class II molecule is Human Leukocyte Antigen (HLA)-DR.

113. (New) The immunogenic peptide of claim 112, wherein the HLA-DR is HLA-DRB1\*0401.

114. (New) The immunogenic peptide of claim 100 linked to an MHC Class II molecule, or a portion thereof.

115. (New) The immunogenic peptide of claim 114, wherein the portion of the MHC Class II molecule is the  $\beta$  chain of the MHC Class II molecule.

116. (New) A composition comprising an immunogenic peptide of claim 100.

117. (New) A composition comprising an immunogenic peptide of claim 114.

118. (New) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:

(i) contacting antigen presenting cells with a composition of claim 116 *in vitro*, and

(ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*,

whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.

119. (New) The method of claim 118, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:

(iii) administering the CD4<sup>+</sup> T lymphocytes to the host.

~~120.~~ (New) The method of claim ~~119~~, wherein the host is a mammal.

~~121.~~ (New) The method of claim ~~120~~, wherein the mammal is a human.

~~122.~~ (New) The method of claim ~~119~~, wherein the antigen presenting cells are obtained from the host.

~~123.~~ (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:

- (i) contacting antigen presenting cells with a composition of claim ~~116~~ *in vitro*, and
- (ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host,

whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.

~~124.~~ (New) The method of claim ~~123~~, wherein the host is a mammal.

~~125.~~ (New) The method of claim ~~124~~, wherein the mammal is a human.

~~126.~~ (New) The method of claim ~~123~~, wherein the antigen presenting cells are obtained from the host.

~~127.~~ (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim ~~116~~ to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.

~~128.~~ (New) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:

- (i) contacting antigen presenting cells with a composition of claim ~~117~~ *in vitro*, and
- (ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*,

whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.

129. (New) The method of claim ~~128~~, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:

(iii) administering the CD4<sup>+</sup> T lymphocytes to the host.

~~130.~~ (New) The method of claim ~~129~~, wherein the host is a mammal.

~~131.~~ (New) The method of claim ~~130~~, wherein the mammal is a human.

~~132.~~ (New) The method of claim ~~128~~, wherein the antigen presenting cells are obtained from the host.

~~133.~~ (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:

(i) contacting antigen presenting cells with a composition of claim ~~117~~ *in vitro*, and

(ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host,

whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.

~~134.~~ (New) The method of claim ~~133~~, wherein the host is a mammal.

~~135.~~ (New) The method of claim ~~134~~, wherein the mammal is a human.

~~136.~~ (New) The method of claim ~~133~~, wherein the antigen presenting cells are obtained from the host.

*137* ~~137.~~ (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim ~~117~~ to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.

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